

## FA-Ala-Arg

## Chemical Properties

CAS No. : 76079-06-6

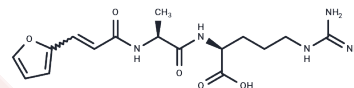
Formula: C<sub>16</sub>H<sub>23</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 365.38

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	FA-Ala-Arg is a dipeptide featuring a furylacryloyl group that degrades to yield arginine. It augments nitric oxide (NO) synthesis in MCF-7 cells through a mechanism in which cell-surface Carboxypeptidase-D (CPD) elevates intracellular arginine levels. Furthermore, FA-Ala-Arg promotes cell survival in prolactin (PRL)-treated cells wherein PRL modulates CPD mRNA levels [1].
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7369 mL	13.6844 mL	27.3688 mL
5 mM	0.5474 mL	2.7369 mL	5.4738 mL
10 mM	0.2737 mL	1.3684 mL	2.7369 mL
50 mM	0.0547 mL	0.2737 mL	0.5474 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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